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gravity recoverable gold from -13 mm crushed ore. T 290, M&MP Nov 179
Williams mine, Marathon, Hemlo District, Ontario. T 290, M&MP Aug 128

X

Xiao, L., et al.: *Solution chemistry of flotation of sparingly soluble minerals.* T 290, M&MP Aug 115

Y

Yang, Z., et al.: *Flotation of Chlorella vulgaris with anionic, cationic and amphoteric collectors.* T 290, M&MP Feb 22

Yingling, J.C.: *Liberation model for multi-component ores.* T 290, M&MP May 65

Yoon, R.H., et al.: *Effect of mill operating parameters on mineral liberation.* T 290, M&MP Nov 171

Z

Zhou, R.; Chander, S.: *Comparison of gold, platinum and sulfide ion selective electrodes as sensors for Eh measurement in sulfide solutions.* T 290, M&MP May 91

Zinc, Zinc Ores

effect of mill operating parameters on mineral liberation. T 290, M&MP Nov 171

recovery of silver from residues. T 290, M&MP Feb 43

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